FEDENKO, A.S.; VODNEV, V.T.

Groups of motions of conformal Euclidean symmetrical spaces.
Dokl. AN BSSR 3 no.6:233-236 Je '59. (MIRA 12:10)

1.Predstavleno akademikom AN BSSR V.I. Krylovym.
(Spaces, Generalized)

VODNEV, V.

On a class of partial projective Riemannian spaces. Studii cerc mat 15 no. 5:621-634 '64.

VODNEV, V.

A class of Riemann spaces with plane geodesics. Studii cerc mat 16 no. 7:927-933 '64.

VODNEV, V.T.; FEDENKO, A.S.

Symmetrical partially projective spaces. Dokl. AN BSSR 8 no.4:213-216 Ap '64. (MIRA 17:6)

1. Belorusskiy gosudarstvennyy universitet imeni Lenina. Predstavleno akademikom AN BSSR V.I. Krylovym.

1393. PROPHYLAXIS AND ORTHOPTIC METHOD OF TREATMENT OF CONVERGENT STRABISMUS (Russian text) - Vodneva R. E. - ZDRAVOOKHR. BELOR. 1956, 12 (34-37)

The author examined 260 persons, 247 of whom had a convergent and 13 a divergent strabismus. After orthoptic treatment a complete correction of the strabismus was achieved in 160 patients who had a hypermetropia of 3-6 dioptres; in 22 patients an improvement of the strabismus to 5° was attained. In convergent strabismus in myopic persons of up to 4-6 dioptres no complete correction of strabismus was achieved, but in 5 patients it decreased to 5°, and in 7 patients to 10°. In convergent alternating strabismus the angle of strabismus decreased to 5° in 7, to 10° in 10, and to 15° in 20 patients. In divergent strabismus in hypermetropic and myopic persons of 6-10 dioptres, it was possible to decrease the angle of strabismus only slightly. A close relationship exists between the degree of amblyopia and the duration of strabismus: the longer the duration of strabismus, the higher the degree of amblyopia. (S)

VODNEYEVA, R. Ye., Candidate Med Sci (diss) -- "Results of treating concomitant strabismus in children, based on material from the eye clinic of the third clinical hospital of the city of Minsk for a period of seven years". Minsk, 1959. 9 pp (Minsk State Med Inst), 200 copies (KL, No 25, 1959, 139)

VODNEVA, R.Ye., kand.med.nauk

Origin of concomitant strabismus. Zdrav. Bel. 7 no.5:39-40 My '60. (MIRA 14:6)

1. Iz kliniki glaznykh bolezney (zaveduyushchiy professor T.V. Birich) Minskogo meditsinskogo instituta.
(STRABISMUS)

VODNY, Josef, inz.

Defect location on high-frequency coaxial cables. Sdel tech 11 no.6:223 Je '63.

VODNY, Jozef, inz.

First experimental transmission on the decimeter wave band.
Sdel tech 12 no.4:131-133 Ap '64.

VODNYANSKIY, I. (Praga)

Contact lenses from hydrogel. Priroda 54 no.11:123-124 '65.
(MIRA 18:11)

VODNYANSZKY, R.

"Improvement of combine construction." p. 229. (MAGYAR TECHNIKA, Vol. 8, no. 4, Apr. 1953, Budapest.)

SO: Monthly List of East European Accessions, Vol. 2, #8, Library of Congress August, 1953, Uncl.

VODNYANSZKY, R.

Modern machines in the service of agriculture. p.6.
New cultivators at machine-tractor stations. p.7.
Result of the contest for the best articles on innovations sponsored by the National Patent Office. p.7.
UJITOK LAPJA (Orszagos Talalmanyi Hivatal) Budapest. Vol 7, no. 11, June 1955.

SOURCE: EEAL, Vol 5, no. 7, July 1956.

VODNYANSZKY, Rudolph

From broadcast sowing to centrifugal sowers. Mezogazd techn 4 no.3: 1-2 '64.

VODOCHODSKY, Ladislav, inz.

Economical control and signalling system for controlling power stations.
Energetika Cz 11 no.10:505-506 O '61.

VODOCHODSKY, Ladislav, inz.

Control system for industrial switching stations. Energetika Cz 11 no.12:613-616 D '61.

VODOGINSKAYA, S. V.; OGURTSOVA, A. S.

Tumors

Symptomatology and therapy of glomus tumors. Sov. med. 16 No. 5 1952.

9. Monthly List of Russian Accessions, Library of Congress, October 1953, Uncl.
2

VODOGRETSKIY, V.Ye.

Studying runoff losses of the Tobol River in the area of the Shekubay limestone deposit. Trudy GGI no.104:87-91 '63.
(MIRA 16:7)

(Tobol River--Hydrology) (Shekubay region--Runoff)

VOLOGRUTSKIY, V.Ye.

Evaluation of the feeding of groundwater in different points of d rainage areas in Kustanay Province. Trudy GGI no.122: 180-208 '65. (MIRA 18:9)

VODOP'IANOV, Mikhail Vasil'evich

Polet na zemliu Frantsa Iosifa. [The flight to Franz Josef land]. Pod redaktsiei nach. Poliarnoi aviatsii Glavsevmorputi, geroia Sovetskogo soiuza M.I. Sheveleva. Moskva, Glav. red. nauchno-populiarnoi i iunosheskoi lit-ry, 1937. 178 p.front. (port.) illus.
Forms a chapter in author's book "Polety."
NN

DLC: TL532.V56

Polety [Flights] Leningrad, Izd-vo Glavsevmorputi, 1937. 591 p. illus., plates, ports.
The chapter "Na zemliu Frantsa-Iosifa" also published separately same year under title: Polet na zemliu Frantsa Iosifa.

DLC: TL526.R9V6

SO: Soviet Transportation and Communications, A Bibliography, Library of Congress Reference Department, Washington, 1952, Unclassified.

VODOLAGIN, MIKHAIL ALEKSANDROVICH

PHASE I BOOK EXPLOITATION

Vodolagin, Mikhail Aleksandrovich, and Shcheglov, Vyacheslav Nikolayevich

Metallurgicheskiy zavod "Krasnyy Oktyabr'" (Metallurgical Plant "Krasnyy Oktyabr'") Moscow, Metallurgizdat, 1957. 223 p. 2,000 copies printed.

Reviewer: Komov, V. M.; Ed.: Avrutskaya, R. F.; Tech. Ed.: Islent'yeva, P. G.

PURPOSE: The book is addressed to workers in the metallurgical industry to acquaint them with the development and achievements of the "Krasnyy Oktyabr'" Metallurgical plant. It also is intended for the general reader.

COVERAGE: The book describes the various aspects and phases in the growth and development of the "Krasnyy Oktyabr'" plant, a producer of high-quality steel.

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Metallurgical Plant "Krasnyy Oktyabr'" 440

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Metallurgical Plant "Krasnyy Oktyabr'"

AVAILABLE: Library of Congress

Card 4/4

GO/mas
8/18/58

VODOKHLEBOVA, Ye.G. (Leningrad)

Effect of blood transfusion on the higher nervous activity in post-hemorrhagic hypochromic anemia. Arkh.pat. 18 no.6:82-85 '56.
(MLRA 9:12)

1. Iz laboratorii eksperimental'noy patologii (zav. - chlen-korrespondent AMN SSSR prof. I.R.Petrov, nauchnyy rukovoditel' - chlen-korrespondent AMN SSSR prof. A.N.Filatov) Leningradskogo instituta perelivaniya krovi (dir. - kandidat meditsinskikh nauk A.D.Belyakov)

(HEMORRHAGE, complications,
anemia, hypochromic, eff. of blood transfusion on higher nervous funct. (Rus))
(ANEMIA, HYPOCHROMIC, therapy,
blood transfusion in post-hemorrh. anemia, eff. on higher nervous funct. (Rus))
(CENTRAL NERVOUS SYSTEM, physiology,
eff. of blood transfusion on higher nervous funct. in post-hemorrh. hypochromic anemia (Rus))
(BLOOD TRANSFUSION, in various diseases,
anemia, hypochromic post-hemorrh., eff. on higher nervous funct. (Rus))

MEL'NIKOVA, V.P.; VODOKHLEBOVA, Ye.G.

Use of dibazol for the prevention of surgical shock. Vest. khir. 85 no. 7:101-108 Je '60. (MIRA 14:1)
(SHOCK) (BENZIMIDAZOLE) (SURGERY, OPERATIVE)

VODOKHLEBOVA, Ye.G.

Prevention of surgical shock by the administration of dibazol per os; experimental study. Vest.khir. 83 no.11:98-104 N '59.
(MIRA 13:4)

1. Iz laboratorii eksperimental'noy patologii (zav. - prof. I.R. Petrov, nauchnyy rukovoditel' - prof. A.N. Filatov) Leningradskogo instituta perelivaniya krovi. Adres avtora: Leningrad, 2-ya Sovetskaya ul., d.16, Institut perelivaniya krovi.
(SHOCK experimental)
(MUSCLE RELAXANTS pharmacol.)

VODOKHLEBOVA, Ye.G., nauchnyy sotrudnik

Trial of a new prophylactic complex in experimental surgical shock. Akt.vop.perel.krovi no.6:256-264 '58. (MIRA 13:1)

1. Laboratoriya eksperimental'noy patologii Leningradskogo instituta perelivaniya krovi (zav. laboratoriyey - chlen-korrespondent AMN SSSR, prof. I.R. Petrov).

(SHOCK) (BENZIMIDAZOLE)

VODOLAGIN, Mikhail Aleksandrovich

[The party was the organizer of the victory of socialism in the U.S.S.R., 1929-1937] Partiia - organizator pobedy sotsializma v SSSR, 1929-1937 gg. Moskva, Gos.izd-vo polit. lit-ry, 1959. 149 p. (MIRA 13:3)
(Russia--Economic policy)

VODOLAGIN, V., nauchnyy sotrudnik

Return of 10 million. Zashch. rast. ot vred. i bol. 10 no.6:6-7 '65.
(MIRA 18:7)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut mashlichnykh i efiromaslichnykh kul'tur, Krasnodar.

VODOLAGIN, Valeriy

A letter from Tmutarakan'. Vokrug sveta no.5:6-7 My '55.
(Taman--Antiquities) (MLRA 8:6)

VODOLAGIN, V., red.; DANILINA, A., tekhn.red.

[Conference of the Soviet Society for Disarmament, Moscow, 1960; a collection of materials and documents] Konferentsiya sovetskoi obshchestvennosti za razoruzhenie. Sbornik materialov i dokumentov. Moskva, Gos.izd-vo polit.lit-ry, 1960. 173 p. (MIRA 13:7)

1. Konferentsiya sovetskoy obshchestvennosti za razoruzheniye. Moscow, 1960.
(Disarmament)

VERKHOVTSEV, Ivan Petrovich; VODOLAGIN, V., red.; TROYANOVSKAYA, N., tekhn.red.

[Work and live the communist way] Rabotat' i zhit' po-kommunisticheski. Moskva, Gos.izd-vo polit.lit-ry, 1960. 93 p. (Bibliotechka agitatora, no.20). (MIRA 14:1)
(Efficiency, Industrial)

ROMANOV, Aleksandr Petrovich; VODOLAGIN, V., red.; TROYANOVSKAYA, N., tekhn. red.

[The course of events...; from the diary of a Tass special reporter] Kak eto bylo...; iz dnevnika spetsial'nogo korrespondenta TASS. Moskva, Gos.izd-vo polit.lit-ry, 1961. 53 p. (MIRA 15:1)

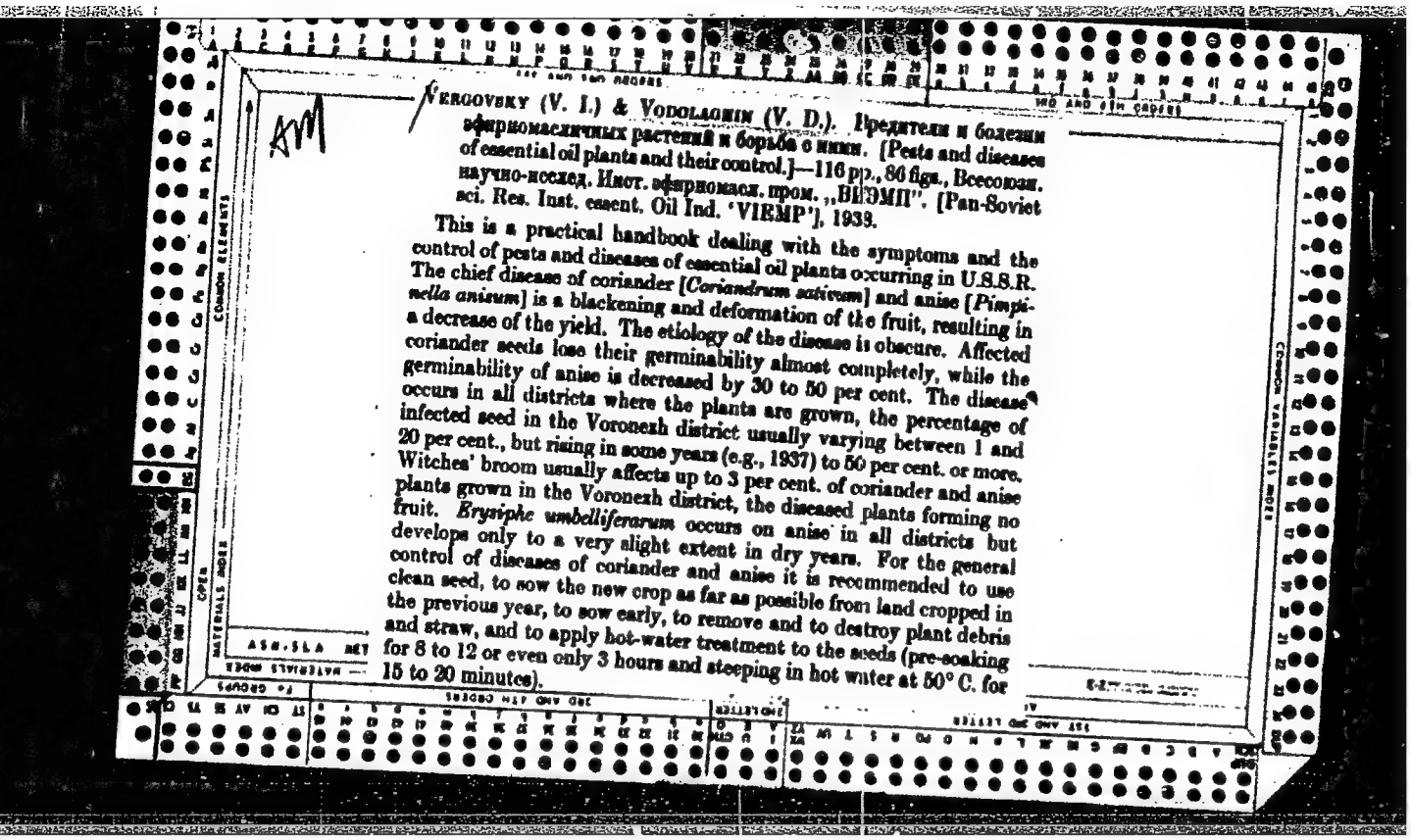
1. Spetsial'nyy korrespondent TASS (for Romanov).
(Astronautics)

IL'INSKIY, Vsevolod Mikhaylovich; VODOLAGIN, V., red.; KLIMOVA, T., tekhn. red.

["On the shore of wilderness..."] "Na dikom brege..." Moskva, Gospolitizdat, 1962. 150 p. (MIRA 15:8)
(Altai Territory--Description and travel)

VODOLAGIN, V., red.

[Creators of the communist future are speaking] Govoriat tvortsy kommunisticheskogo zavtra. Moskva, Politizdat, 1963. 54 p. (MIRA 17:4)

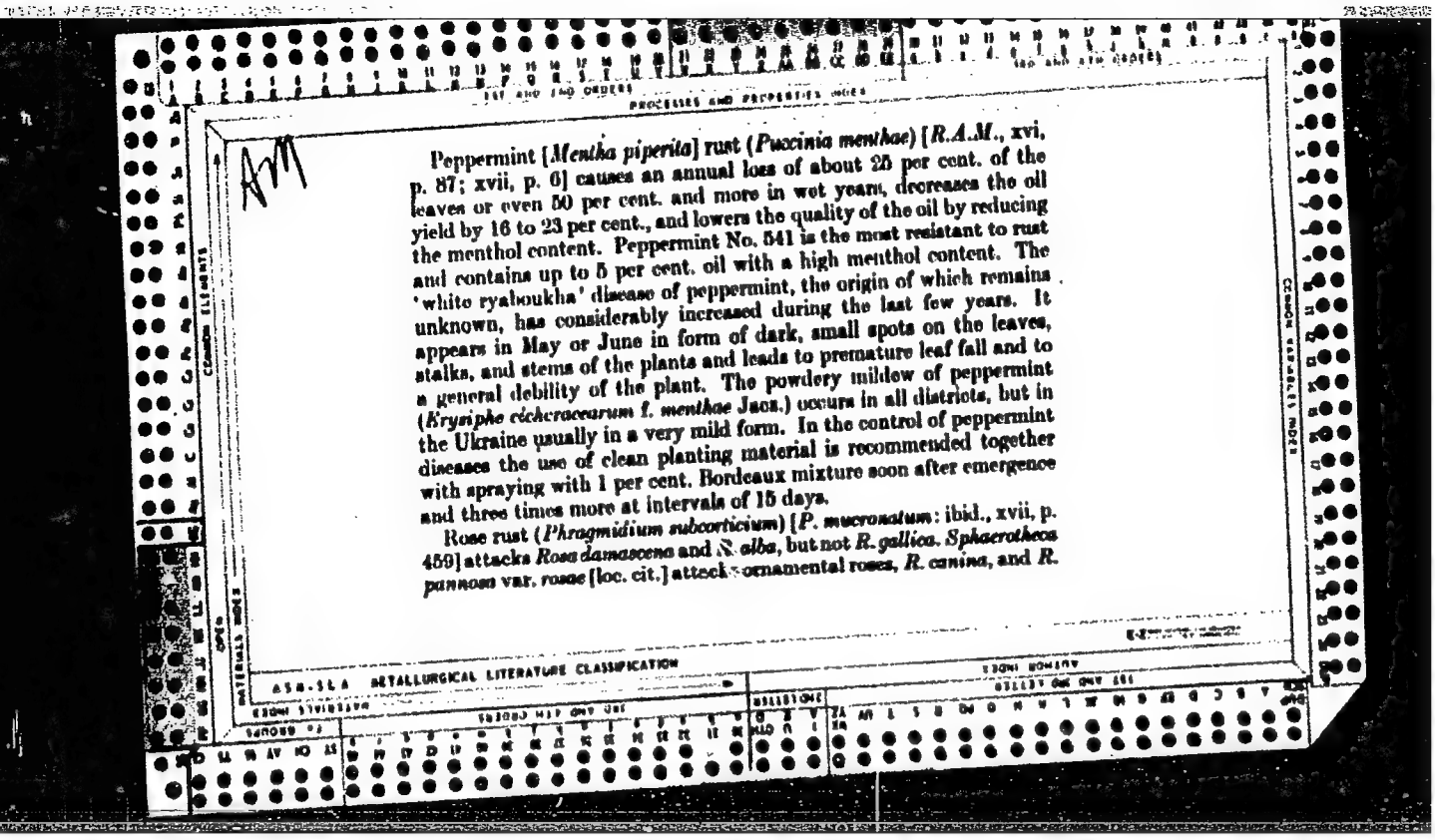


VERGOVSKY (V. I.) & VODOLAGHIN (V. D.). Вредители и болезни эфирномасличных растений и борьба с ними. [Pests and diseases of essential oil plants and their control.]—116 pp., 86 figs., Всесоюзн. научно-исслед. Инст. эфирномасл. пром. „ВНЭМП". [Pan-Soviet sci. Res. Inst. essent. Oil Ind. 'VIEMP'], 1939.

This is a practical handbook dealing with the symptoms and the control of pests and diseases of essential oil plants occurring in U.S.S.R. The chief disease of coriander [*Coriandrum sativum*] and anise [*Pimpinella anisum*] is a blackening and deformation of the fruit, resulting in a decrease of the yield. The etiology of the disease is obscure. Affected coriander seeds lose their germinability almost completely, while the germinability of anise is decreased by 30 to 50 per cent. The disease occurs in all districts where the plants are grown, the percentage of infected seed in the Voronezh district usually varying between 1 and 20 per cent., but rising in some years (e.g., 1937) to 50 per cent. or more. Witches' broom usually affects up to 3 per cent. of coriander and anise plants grown in the Voronezh district, the diseased plants forming no fruit. *Erysiphe umbelliferarum* occurs on anise in all districts but develops only to a very slight extent in dry years. For the general control of diseases of coriander and anise it is recommended to use clean seed, to sow the new crop as far as possible from land cropped in the previous year, to sow early, to remove and to destroy plant debris and straw, and to apply hot-water treatment to the seeds (pre-soaking for 8 to 12 or even only 3 hours and steeping in hot water at 50° C. for 15 to 20 minutes).

The root rot of thyme [*Thymus vulgaris*] due to *Fusarium* sp. usually forms several centres of infection in the field causing the bare patches. Disinfection of the patches is advised, together with a peripheral zone at least 0·5 to 1 m. wide, with bleaching powder applied at a rate of 100 to 200 gm. per sq. m.

The chief disease of fennel [*Foeniculum vulgare*] is caused by *Cercospora depressa*, which attacks the leaves, stems, and seeds, causing the seed to shrink and fall. In some years the seed losses in the forest-steppe belt of the Ukraine amount to 50 per cent. or more, and the oil yield of infected seeds is reduced by 15 per cent. *C. depressa* develops in the early summer and both infection and fructification occur only in presence of dew. In the autumn the conidia of *C. depressa* cease to form, but pycnidia of *Phoma anethi* are then found to be present. The *Cercospora* disease develops in the following spring from infected seeds and plant debris and is also spread from *Anethum graveolens*. *Alternaria tenuis* forms a black mould on the surface of the fennel seeds. Hot-water treatment of the seeds is recommended in the control of fennel diseases (pre-soaking for 15 to 18 hours at 17 to 20° and steeping in hot water at 53° for 10 minutes).

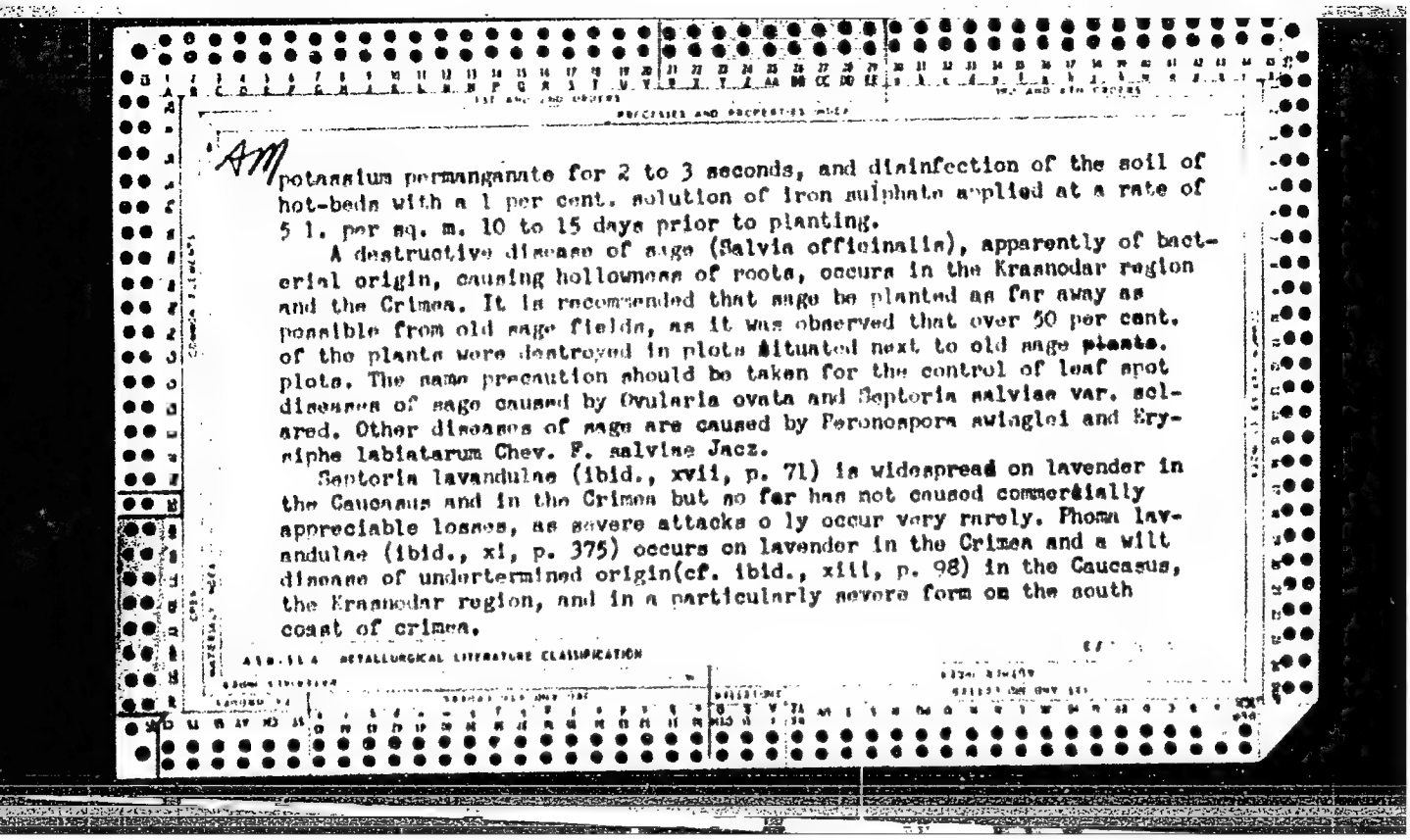


Peppermint [*Mentha piperita*] rust (*Puccinia menthae*) [*R.A.M.*, xvi, p. 87; xvii, p. 6] causes an annual loss of about 25 per cent. of the leaves or even 50 per cent. and more in wet years, decreases the oil yield by 16 to 23 per cent., and lowers the quality of the oil by reducing the menthol content. Peppermint No. 541 is the most resistant to rust and contains up to 5 per cent. oil with a high menthol content. The 'white ryaboukha' disease of peppermint, the origin of which remains unknown, has considerably increased during the last few years. It appears in May or June in form of dark, small spots on the leaves, stalks, and stems of the plants and leads to premature leaf fall and to a general debility of the plant. The powdery mildew of peppermint (*Erysiphe cichoracearum* f. *menthae* Jacz.) occurs in all districts, but in the Ukraine usually in a very mild form. In the control of peppermint diseases the use of clean planting material is recommended together with spraying with 1 per cent. Bordeaux mixture soon after emergence and three times more at intervals of 15 days.

Rose rust (*Phragmidium subcorticium*) [*P. mucronatum*: ibid., xvii, p. 459] attacks *Rosa damascena* and *R. alba*, but not *R. gallica*. *Sphaerotheca pannosa* var. *rosae* [loc. cit.] attacks ornamental roses, *R. canina*, and *R.*

gallica, but affects *R. damascena* only slightly. During the last three or four years a stem wilt of roses (caused by a species of *Fusarium*) resulting in the ultimate death of the plants has considerably increased in the Crimea. *R. gallica* was most severely infected, especially on plots where vegetables such as potatoes or tomatoes had been previously grown.

Geranium [? *Pelargonium*] cuttings in hot-beds are affected by species of *Botrytis* (ibid., xvi, p. 43), *Graphium*, and *Dendrodochium*, by leaf spots caused by species of *Macrosporium* [cf. ibid., xvi, p. 537], *Ramularia*, *Didymaria*, *Botryosporium*, and *Haplographium*, and by leaf bacteriosis. In the field the geranium plant is attacked by black root rot due apparently to bacteria, and by brown root rot (*Hypholoma relutinum*), characterised by rapid withering of the plants and chiefly occurring on fields newly cleared from forest trees. For the control of geranium diseases the following measures are recommended: crop rotation, removal of tree debris in newly cleared fields, disinfection of cuttings prior to planting in the hot-beds in a 0·1 per cent. solution of



potassium permanganate for 2 to 3 seconds, and disinfection of the soil of hot-beds with a 1 per cent. solution of iron sulphate applied at a rate of 5 l. per sq. m. 10 to 15 days prior to planting.

A destructive disease of sage (Salvia officinalis), apparently of bacterial origin, causing hollowness of roots, occurs in the Krasnodar region and the Crimea. It is recommended that sage be planted as far away as possible from old sage fields, as it was observed that over 50 per cent. of the plants were destroyed in plots situated next to old sage plants. plots. The same precaution should be taken for the control of leaf spot diseases of sage caused by Ovularia ovata and Septoria salviae var. sclared. Other diseases of sage are caused by Peronospora swinglei and Erysiphe labiatarum Chev. F. salviae Jacz.

Septoria lavandulae (ibid., xvii, p. 71) is widespread on lavender in the Caucasus and in the Crimea but so far has not caused commercially appreciable losses, as severe attacks o ly occur very rarely. Phoma lavandulae (ibid., xi, p. 375) occurs on lavender in the Crimea and a wilt disease of undertermined origin(cf. ibid., xiii, p. 98) in the Caucasus, the Krasnodar region, and in a particularly severe form on the south coast of crimea.

A18.11 METALLURGICAL LITERATURE CLASSIFICATION

VOLOSHIN, V. D.

Measures for the control of bacteriosis and coriander seed-borers. Pushkino, Viemp, 1941. 25 p.

1. Seeds - Disinfaction. 2. Agricultural pests.

ALEKSEYEVA, Ye.I., kand. sel'khoz. nauk; BUZINOV, P.A., kand. sel'khoz. nauk; VODOLAGIN, V.D.; VOLKHOVSKAYA, U.V.; GLUSHCHENKO, N.N., kand. biol. nauk; GUEVICH, N.L., doktor biol. nauk; ZHELEZNOV, P.A., kand. sel'khoz. nauk; KSENDZ, A.T.; LESHCHUK, T.Ya.; LUK'YANOV, I.A., kand. sel'khoz. nauk; MAYCHENKO, Z.G., kand. sel'khoz. nauk; TANASIYENKO, F.S., kand. khim. nauk; ZNAMENSKIY, M.P.; PERSIDSKAYA, K.G.; PODLESNOVA, A.F.; ROGOCHIY, I.Ya.; REZNIKOV, A.R.; SHUL'GIN, G.T.; KHOTIN, A.A., doktor sel'khoz. nauk; LAPSHINA, O.V., red.; MINENKOVA, V.R., red.; MAKHOVA, N.N., tekhn. red.; BALLOD, A.I., tekhn. red.

[Aromatic plants] Efiromaslichnye kul'tury. Moskva, Sel'-khozizdat, 1963. 358 p. (MIRA 16:12)
(Ukraine--Aromatic plants)

KOROTKIKH, G.I., kand.sel'skokhoz.nauk; POMAZKOV, Yu.I., mladshiy nauchnyy sotrudnik; SMOL'YANNIKOV, V.V.; VODOLAGIN, V.D., nauchnyy sotrudnik

Questions and answers. Zashch. rast. ot vred. i bol. 8 no.5: 42 My '63. (MIRA 16:9)

1. Nauchno-issledovatel'skiy institut sadovodstva nechernozemnoy zony (for Pomazkov). 2. Vsesoyuznyy nauchno-issledovatel'skiy institut maslichnykh i efiromaslichnykh kul'tur (for Vodolagin).
(Plants, Protection of)

VODOLAGIN, V.D., nauchnyy sotrudnik

Mustard pests. Zashch. rast. ot vred.i bol. 9 no.6[illegible] (MIRA 17:7)

1. Vsesoyuznyy institut maslichnykh i efiromaslichnykh kul'tur, Krasnodar.

L 6994-66 EWT(1)/EWA(h)

ACC NR: AP5026819 SOURCE CODE: UR/0286/65/000/017/0095/0095

INVENTOR: Khil'chevskiy, G. L.; Voytsekhov, Yu. R.; Tul'chinskaya, K. V.; Lazarev, N. V.; Vodolagin, V. Yu.

58
B

ORG: none

TITLE: An ultrasonic pickup. Class 42, No. 174452 [announced by Experimental Research and Design Office of the Black Sea Council of National Economy (Eksperimental'no-issledovatel'skoye i konstruktorskoye byuro Chernomorskogo Sovnarkhoza)]

SOURCE: Byulleten' izobreteniy i tovarnykh znakov, no. 17, 1965, 95

TOPIC TAGS: piezoelectric transducer, ultrasonic inspection, waveguide

ABSTRACT: This Inventor's Certificate introduces an ultrasonic pickup designed for studying gaseous media. The device consists of a housing containing a piezoelectric transducer and a waveguide. Interference from the walls of the vessel being monitored is absorbed by making the housing in the form of a cylindrical labyrinth with rifling.

SUB CODE: EC,IE/ SUBM DATE: 05Oct64/ ORIG REF: 000/ OTH REF: 000

Card 1/2 UDC: 534.232-8

L 6994-66

ACC NR: AP5026819

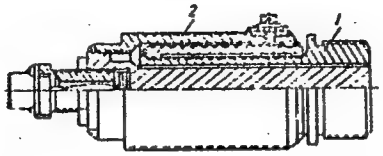


Fig. 1. 1 - housing; 2 - rifling.

Card 2/2 nda

VODOLATSKIY, M.P.; MALAKHOV, L.I.

Tuberculous lesion of the mucous oral cavity. Trudy 1-go MMI 44:141-144 '65. (MIRA 18:12)

1. Iz kafedry khirurgicheskoy stomatologii (zav.- dotsent M.M. Slutskaya) Stavropol'skogo gosudarstvennogo meditsinskogo instituta 'rektor - dotsent Yu.V. Pervushin) i Kraevoy klinicheskoy bol'nitsy (glavnyy vrach - A.S. Reshetova).

VODOLZAOV, Yu.M.

Experience in using horizontal percolation. Gidroliz.i lesokhim.prom. 13 no.5:21-22 '60. (MIRA 13:7)

1. Arkhangelskiy gidroliznyy zavod.
(Arkhangelsk--Hydrolysis)

ZHUKOVSKAYA, S.S.; LEVINA, K.Ya.; VODOLAZHENKO, N.I.; Prinimal uchastiye SHULYATNIKOVA, N.Ya., inzh.

Rapid volumetric method of determining the silicic acid content of raw material, raw mixes, and finished product in cement production. TSement 27 no.3:21-23 My-Je '61. (MIRA 14:7)
(Silicic acid) (Cement)

ZHUKOVSKAYA, S.S.; KOGAN, N.P.; VODOLAZHENKO, N.I.

Rapid method of preparing cement raw material for chemical analysis.
TSement 28 no.5:13-14 S-O '62. (MIRA 15:11)

1. Yuzhgiprotsement.

(Cement—Analysis)

VODOLAZHCHENKO, S.A.

Use of a rider in weighing on analitical scales. Lab. delo 7 no.5: 60-61 My '61. (MIRA 14:5)

1. Ukrainskiy nauchno-issledovatel'skiy institut ptitsevodstva.
(SCALES (WEIGHING INSTRUMENTS))

VODOLAZHCHENKO, V.V., kand.tekhn.nauk, dots. (Khar'kov)

Gas-turbine locomotives. Nauka i zhyttia 6 no.9:12-13 S '56. (MIRA 13:5)
(Gas-turbine locomotives)

VODOLAZHCHENKO, VITALIY VASIL'YEVICH

PHASE I BOOK EXPLOITATION 323

Glagolev, Nikolay Matveyevich, Professor; Kurits, Aleksandr Ariyevich; Vodolazhchenko, Vitaliy Vasil'yevich; and Bartosh, Yevgeniy Tarasovich, Candidates of Technical Sciences

Teplovoznyye dvigateli i gazovyye turbiny (Diesel and Gas-turbine Locomotive Engines) Moscow, Transzheldorizdat, 1957. 463 p. 10,000 copies printed.

Ed.: Girshberg, N. M., Candidate of Technical Sciences; Tech. Ed.: Bobrova, Ye. N.

PURPOSE: This book is approved by the USSR Ministry of Higher Education as a textbook for institutes of railroad transportation. It may also be useful to engineers specializing in internal combustion engines, and gas turbines.

COVERAGE: The book deals with basic theory and design in the construction of the modern diesel and gas-turbine locomotives. The following subjects are discussed: working processes and cycles, engine dynamics, principle of work, economy and performance characteristics, automation of control systems, engine output control, locomotive operation, and safety. In addition to these topics the author also gives a brief history of the development and uses

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Diesel and Gas-turbine (Cont.)

of internal combustion engines and gas turbines. The author claims that gas-turbine engines require less time to develop full power capacity than steam turbine engines. He also claims that aircraft gas turbines are able to develop full power capacity within 1.5 to 2 minutes, and that gas turbines in the aircraft industry are fully understood and are widely used on many types of aircraft. According to the author, the 1956 statistics show that Soviet gas turbine engines, not considering those used in aircraft, are able to develop power of about one million hp. A special chapter is devoted to discussion of free-piston gasifiers and prospects for their development and use. The author states that the Voroshilov Diesel Engine Locomotive Plant has developed a free piston-and-turbine compound locomotive engine with a capacity of 6,000 hp. and an efficiency of 29,4 percent. The book contains numerous tables, graphs, diagrams and detail drawings of various types of Soviet and foreign internal combustion engines and gas turbines. There are 84 references of which 82 are Soviet and 2 English.

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Ch. XXI. Diesel Engine Tests

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1 July 1958

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GRIGOR'YEV, Sergey Nikolayevich, prof.; SHCHETININ, N.V., dotsent. Prinimal uchastiye: YAKOVLEV, K.I., dotsent. YASTRZHEMBSKIY, A.S., prof., doktor tekhn.nauk, zasluzhennyy deyatel' nauki i tekhniki, retsenzent; VODOLAZHCHENKO, V.V., dotsent, kand.tekhn.nauk, retsenzent; ALEKSANDROV, L.A., inzh., red.; VERINA, G.P., tekhn.red.

[Heat engines and compressors] Teplovye dvigateli i kompressory. Moskva, Gos.transp.zhel-dor.izd-vo, 1959. 363 p. (MIRA 12:10)
(Steam engines) (Gas and oil engines) (Compressors)

VODOLAZHCHENKO, Yuriy Trofimovich; BANNIKOV, S.A., red.; PROKOF'YEVA, L.N., tekhn. red.

[Brief manual on the DT-54A tractor] Kratkii spravochnik po traktoru DT-54A. Moskva, Gos. izd-vo sel'khoz. lit-ry, 1960. 198 p. (Tractors) (MIRA 14:8)

VODOLAZHCHENKO, V.V., dotsent, kand.tekhn.nauk, SIMSON, A.E., kand.tekhn. nauk.

Special features of gas turbine supercharging in six-cylinder motors. Energomashinostroenie 6 no.4:47-48 Ap '60. (MIRA 13:8)

(Diesel engines--Superchargers)

VODOLAZHCHENKO, V.V., kand.tekhn.nauk; ZASLAVSKIY, G.N, inzh.

Increasing the efficiency of the D50 engine under low load conditions.
Trudy KHIIT no.35:102-107 '60. (MIRA 13:10)
(Diesel engines)

AUTHORS: Vodolazhchenko, V. V., Simson, A. E. and Verner, N. D.

S/263/62/000/014/012/016
I007/I207

TITLE: Investigations on the gas-turbine supercharging system in four-strokes engines

PERIODICAL: Referativnyy zhurnal, otdel'nyy vypusk. 42. Silovyye ustanovki, no. 14, 1962, 54, abstract 42.14.323 (Tr. Khar'kovsk. in-ta inzh. zg.-d. transp., no. 43, 1961, 29–38)

TEXT: Results are reported of investigations on exhaust systems with a single, common exhaust-manifold and with supercharging by means of the kinetic energy of exhaust gases. The system described was used in 2- and 4- stroke engines and ensures increase in turbine power by 20% as compared with reaction turbines: it may be applied to all types of internal combustion engines and requires the installation of a single turbine only regardless the cylinder number and dimension of the engines involved.

[Abstracter's note: Complete translation.]

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VODOLAZHCHENKO, V.V., dotsent

Increasing the power and economic efficiency of the D50 engine. Trudy KHIIT no.46:61-72 '61. (MIRA 15:12)

1. Khar'kovskiy institut inzhenerov zheleznodorozhnogo transporta.

(Diesel engines—Design and construction)

VODOLAZHCHENKO, V. V., dotsent, kand. tekhn. nauk

Gas-turbine supercharging of two-stroke diesel engines. Trudy KHIIT no.52:30-34 '61. (MIRA 15:10)

(Diesel engines)

KURITS, Aleksandr Ariyevich; VODOLAZHCHENKO, Vitaliy Vasil'yevich; GRINSBERG, Filipp Grigor'yevich; ROZENBLIT, Gennadiy Borisovich; SIMSON, Al'fred Eduardovich; NAYDENKO, O.A., kand. tekhn. nauk, retsenzent; RABOVSKIY, V.V., inzh., retsenzent; VOLKOVICH, G.F., retsenzent; ZAKHARENKO, B.A., kand. tekhn. nauk, nauchn. red.; NIKITINA, R.D., red.; SHISHKOVA, L.M., tekhn. red.

[Diesel engines on ships with electric propulsion] Dizeli na sudakh s elektrodvizheniem. [By A.A.Kurits i dr. Leningrad, Sudpromgiz, 1963. 276 p. (MIRA 17:1)

ACCESSION NR: AP5000439 S/0231/64/000/006/0025/0027

AUTHOR: Vodolazhchenko, V. V. (Candidate of technical sciences); Kurits, A. A. (Candidate of technical sciences); Kuznetsov, T. F. (Candidate of technical sciences); Shedey, A. I. (Candidate of technical sciences), Zaslavskiy, G. N. (Engineer); Plakhtyurin, V. M. (Engineer)

TITLE: Increasing the economy of type D50 diesels

SOURCE: Moscow. Vses. n.-i. inst. zh.-d. transporta. Vestnik, no. 6, 1964, 25-27

TOPIC TAGS: industrial equipment, diesel engine, turbocompressor/D50 diesel, TK-30 turbocompressor

Abstract: Measures are listed which may be taken to increase the efficiency of the D50 diesel. Carrying out these measures will increase the efficiency of supercharging, and also improve gas distribution and carburation by reducing the specific effective fuel consumption by 20 grams per effective horsepower hour. This will place D50 diesels (with respect to economy) among modern locomotive diesels. The necessary structural changes in the

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piston bottom, distributer shaft exhaust cams, fuel pump delivery valve and cam, injector nozzle, and also in the installation of type TK-30 turbocompressors may be carried out both on newly produced diesels and on those in operation without impairing the interchangeability of mass produced units and components. The use of high temperature cooling, raising the efficiency of supercharging and several other measures make it possible to count on the potential for a further increase in the efficiency of the D50 diesel. A saving of 8-10% in fuel in a locomotive with 1000 hp represents an economy of 80-100 tons of fuel per year per locomotive, so that the money spent in modernization of the locomotive fleet will be paid back in less than a year. There will be no increase in the cost of diesel production in carrying out these measures. Orig. art. has: 1 figure and 2 graphs.

ASSOCIATION: Khar'kovskiy institut inzhenerov zheleznodorozhnogo transporta (Khar'kov Institute of Railroad Transport Engineers)

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NO REF SOV: 005 OTHER: 000 JPRS

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VODOLAZHCHENKO, Yu.T.; BELOUS, D.A.; GOLUBCHIK, S.F.; LINCHEVSKIY, V.V.; PERETRUTOV, V.L.; YANCHENKO, I.A.; CHICHEVA, L.I., red.;

[Dismantling and assembling the DT-20 tractor] Razborka i sborka traktora DT-20. Moskva, "Kolos," 1964. 174 p. (MIRA 17:8)

GLAGOLEV, Nikolay Matveyevich; KURITS, Aleksandr Ariyevich; VODOLAZHCHENKO, Vitaliy Vasil'yevich; BARTOSH, Yevgeniy Tarasovich; SAZONOV, A.G., red.

[Internal combustion engines and gas turbines for diesel locomotives] Teplovoznye dvigateli vnutrennego sgoraniia i gazovye turbiny. Izd.2., perer. Moskva, Transport, 1965. 400 p. (MIRA 18:6)

VODOLAZHCHENKO, Yu.T.

VODOLAZHCHENKO, Yu.T.; ANDRUSENKO, P.I., kandidat tekhnicheskikh nauk, redaktor; RUDENSKIY, Ya.V., tekhnicheskiy redaktor

[Assembling and testing tractors] Sborka i ispytanie traktorov. Kiev, Gos. nauchno-tekhn. izd-vo mashinostroit. lit-ry, 1953. 319 p. [Microfilm] (MLRA 8:2)
(Tractor industry)

VOLOLAZHCHENKO, Yu. T.

Sborka i ispytanie traktorov [Assembling and testing tractors]. Kiev, Mashgiz, 1953. 330 p.

SO: Monthly List of Russian Accessions, Vol. 6 No 10 January 1954

VODOLAZHCHENKO, Yuriy Trofimovich; KALINOVSKIY, N.F.; LEVITANUS, A.D.; KRYUKOV, V.L., red.; GOR'KOVA, Z.D., tekhn.red.

[Manual for the DT-14 and DT-20 tractors] Rukovodstvo po traktoram DT-14 i DT-20. Moskva, Gos.izd-vo sel'khoz.lit-ry, 1959. 367 p. (MIRA 12:8)
(Tractors--Handbooks, manuals, etc.)

GEL'MAN, Boris Mikhaylovich; KRAYEVSKAYA, Ye.K.; MOSKVIN, M.V.; ALISANOV, B.I.; AL'GIN, B.P.; VODOLAZHCHENKO, Yu.T.; LEVITANUS, A.D.; SHKOL'NIKOV, A.B., red.; BALLOD, A.I., tekhn.red.

[Wheeled diesel tractors] Dizel'nye kolesnye traktory. Moskva, Gos.izd-vo sel'khoz.lit-ry, 1959. 423 p. (MIRA 13:2)
(Tractors)

VODOLAZHCHENKO, Yu.T., red.; KASPEROVICH, N.S., red. izd-va; UVAROVA, A.F., tekhn. red.

[Catalog of spare parts of the DT-20 tractor] Katalog detalei traktora DT-20. Moskva, Mashgiz, 1963. 192 p. (MIRA 16:8)

1. Khar'kovskiy traktornyy zavod. Khar'kov.
(Tractors--Catalogs)

DROZIN, N.N.; VODOLAZHENKO, N.I.

Conversions of calcium sulfate semihydrate to dihydrate in the distillation liquid of soda manufacture. Zhur. prikl. khim. 31 no.7:995-1001 Jl '58. (MIRA 11:9)
(Calcium sulfate) (Soda industry)

VODOLAZHKO, I.V., veterinarnyy vrach

Treatment of sheep infected with Dictyocaulus. Veterinariia 39 no.11:40 N '62. (MIRA 16:10)

1. Zimovnikovskiy konnyy zavod, Rostovskaya oblast'.

14(10); 3(5) PHASE I BOOK EXPLOITATION SOV/2843

Sovershenstvo po retsional'nym sposobam fundamentostroyeniya na vechnomerzlykh gruntakh

Trudy... (Transactions of the Conference on Efficient Methods of Building Foundations on Permafrost Soils) Moscow, Gosstroyizdat, 1959. 131 p. Errata slip inserted. 1,200 copies printed.

Ed. of Publishing House: M. M. Borshchevskaya; Tech. Ed.: Ye. I. Tenkina.

PURPOSE: This book is intended for construction engineers, industrial planners and builders.

COVERAGE: This book contains reports originally read in Yorkuta in 1958 on experience gained in planning and building foundations in permafrost regions of the USSR. The reports were prepared for publication in the KIIOSP (Scientific Research Institute for the Study of Foundations and Underground Structures). The Introduction was written by Professor V. O. Kilyshev. No references are given.

Bakanin, V. P. Construction Conditions and the Exploitation of Mining Enterprises in the Pechora Coal Basin 47

Zhilinov, A. I. Construction of Industrial Plants on Permanently Frozen Ground With Subsequent Settling 56

Martin, L. P. Designing Pile Foundations Under Permafrost Conditions 58

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BAKALOV, S.A.; BELOUSOV, V.P.; BRATSEV, L.A.; VODOLAZKIN, V.M.; YEROSHENKO, V.N.; ZHUKOV, V.F.; LUBAN, S.A.; MARKIZOV, L.P.; NADEZHDIN, A.V.; NOVIKOV, F.Ya.; PONOMAREV, V.D.; POTRASHKOV, G.D.; ROZHDESTVENSKIY, S.I.; TROFIMOV, S.V.; FEL'DMAN, I.R.; FOYGEL', D.O.; KHRUSTALEV, L.N.; CHURUKSAYEV, I.I.; KONDRAT'YEVA, V.I., red.

[Theory and practice in the study of frozen ground in construction] Teoriia i praktika merzlotovedeniia v stroitel'stve. Moskva, Nauka, 1965. 187 p. (MIRA 18:4)

1. Moscow. Nauchno-issledovatel'skiy institut osnovaniy i podzemnykh sooruzheniy. Severnoye otdeleniye.

VODOLAZOV, Aleksey Dmitriyevich, kapitan, letchik-istrebitel' protivovozdushnoy oborony, master vozdushnoy strel'by; SOKOLOV, V.D., polkovnik, red.; MUKHANOVA, M.D., tekhn. red.

[There is a first class!]Est' pervyi klass! Moskva, Voenizdat, 1962. 38 p. (MIRA 15:10)
(Vodolazov, Aleksei Dmitrievich)

VODOLAZOV, D.

On Crimean highways. Za rul. 17 no.7:20 Jl '59.
(MIRA 13:1)

1. Nachal'nik Gosavtoinspektsii Upravleniya vnutrennimi delami Krymskoy oblasti.
(Crimea--Roads)

VODOLAZOV, D., inzh.; PAVLENKO, Ye., inzh.

Transportation of shell-rock stone in packages without the use of pallets. Avt.transp. 39 no.3:12-13 Mr '61. (MIRA 14:3)
(Stone—Transportation) (Cargo handling)

VOLOGLAZOVA, L.Kh.; MILAMED, T.S.

Use of hydrocyclones and centrifuges for clarifying the product of hydrolyzate neutralization. Gidroliz. i lesokhim. prom. 18 no.3: 7-9 '65. (MIRA 18:5)

1. Severnyy nauchno-issledovatel'skiy institut promyshlennosti.

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ACC NR: AR6000435 SOURCE CODE: UR/0137/65/000/009/G018/G018

AUTHORS: Laskorin, B. N.; Tokarev, N. N.; Vodolazov, L. I.

TITLE: Continuous methods for sorptional extraction of rare and nonferrous metals from pulps

SOURCE: Ref. zh. Metallurgiya, Abs. 9G159

12
B

REF SOURCE: Sb. Ionoobmen. tekhnologiya. M., Nauka, 1965, 55-62

TOPIC TAGS: metallurgy, physical metallurgy, metal extracting, nonferrous metal

ABSTRACT: A filterless-sorptional method for extracting nonferrous and rare metals is described. Under industrial conditions this method has been approved in 1953--1954, producing excellent results (it assures the increase of plant productivity by a factor of 1.5--3.0, increases the extraction of useful components by 5--10%, raises the productivity of key workers by a factor of 2--3, diminishes the use of chemicals and auxiliary materials). Working plans and descriptions of static variant of the sorptional treatment of pulp are presented, as is the method for the sorptional treatment of pulp in the suspended layer of ionite, in the moving layer of ionite, in the apparatus with pneumatic mixing, and in the continuous method for sorptional extraction of nonferrous and rare metals. 10 illustrations. V. Semakin [Translation of abstract]

SUB CODE: 11

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UDC: 669.85/.86.09

Vodolazov, P.V.

Extraction of acetic acid with ethyl acetate. P. V. Vodolazov. (Wood Chem. Combine, Ashinsk). *Gidrolis. i Lesokhim. Prom.* 8, No. 4, 19–20(1955).—H_2SO_4 has been efficiently replaced by AcOEt (acidity 0.01% ester content 95–7%, b. 72–85°) in the extn. of an aq. soln. of AcOH, as obtained in dry distn of wood.

APPROVED FOR RELEASE: 09/01/2001 CIA-RDP86-00513R001860320020-9"

VODOLAZOV, P.N.

Use of electric filters in retort furnaces. Gidroliz. i lesokhim prom. 8 no.2:26-27 '55. (MLRA 8:10)

1. Direktor Ashinskogo lesokhimicheskogo kombinata
(Filters and filtration)

KORYAKIN, V.I.; SOKOLOVA, A.I.; Prinimali uchastiye: VOLOLAZOV, P.N.; Zabolotskiy, M.V.; ZAKHAROVA, A.V.; KLINSKIKH, Ye.V.

Dry distillation of wood as a potential source of furfural. Gidroliz.i lesokhim.prom. 13 no.5:3-6 '60. (MIRA 13:7)

1. TSentral'nyy nauchno-issledovatel'skiy lesokhimicheskoiy institut.
(Furaldehyde) (Wood distillation)

KORYAKIN, V.I.; VODOLAZOV, P.N.; Prinimali uchastiye BULANOV, V.A.; ZEMTSOVA, V.F.; IL'INA, Ye.I.

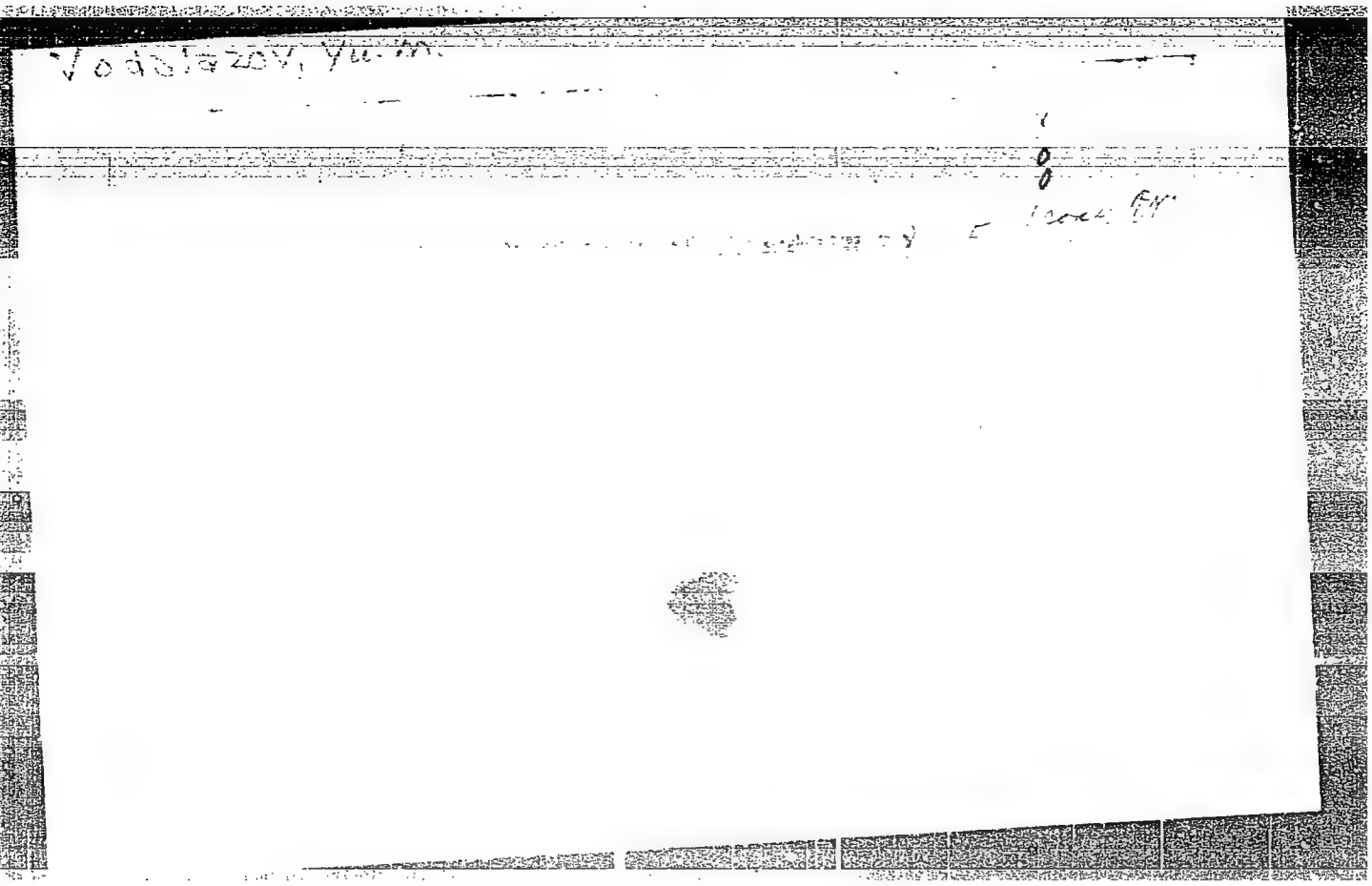
Industrial experiments in the production of furfural by pyrolysis. Gidroliz. i lesokhim. prom. 14 no. 1:9-12 '61. (MIRA 14:1)

1. TSentral'nyy nauchno-issledovatel'skiy lesokhimicheskiy institut.
(Furaldehyde) (Pyrolysis)

STEPANOV, E.A.; VODOLAZOV, Yu.A.

Congenital lobar pulmonary emphysema. Khirurgiia 39 no.4:31-37 Ap'63 (MIRA 17:2)

1. Iz kliniki khirurgii detskogo vozrasta (zav. - prof. I.K. Murashov) II Moskovskogo gorodskogo meditsinskogo instituta imeni Pirogova na baze Detskoy bol'nitsy imeni N.F.Filatova (glavnyy vrach L.A. Vorokhobov).



VODOLAZOVA, L. Kh.

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CH /Investigation of the liquid-vapor composition of the binary phenolic solutions. N. V. Chalov, B. F. Goryachikh, and L. Kh. Vodolazova. *Gidroliz. i Lesokhim. Prom.* 8, No. 3, 11–13(1955). — Guaiacol, resols, and other simple phenols were recovered from the liquid phase of the thermal decompn. of wood by the distn. of the phenol-MeOH, phenol-acetone, and phenol-water-MeOH systems. The equil. concn. of the liquid-vapor phase was established according to Bushmakin and Voelkova (*Zavodskaya Lab.* 18, 1148(1952); *C.A.* 44, 6252*h*) and the mixt. was analyzed by means of a refractometer. In the vapor phase was present 2.5–5 times as much cresol as in the water soln. An appreciable part of the phenols was distd. over with MeOH and other volatile components. The phenols were sepd. from MeOH and acetone in continuous columns, where phenols accumulated on the lower plates. Fusel oils present in alc. production are removed similarly. Equil. curves are given for the liquid-vapor phase of MeOH-phenol, MeOH-*o*-cresol, MeOH-guaiacol, acetone-phenol, and acetone-guaiacol. T. Jurecic

All-Union Sci-Res. Inst. Hydrology and Sulphite-Spirits Industry

VODOLAZOVA, L.Kh.; SHAREVSKAYA, Ye.Ye.; KOTREKHOVA, A.I.

Experience in the operation of a fermenting section. Gidroliz. i lesokhim. prom. 11 no.5:22-24 '58. (MIRA 11:9)

1. Arkhangel'skiy gidroliznyy zavod.
(Hydrolysis)

VODOLAZOVA, L.Kh.; YUDINA, T.A.

Neutralization of urban sewage waters by industrial wastes. Gidroliz.i lesokhim.prom. 13 no.6:21-22 '60. (MIRA 13:9)

1. Arkhangel'skiy gidrolizuyy zavod.
(Archangel--Sewage disposal)

VODOLAZOVA, L.Kh.; KOTREKHOVA, A.I.

Use of continuous neutralization in alcohol manufacture. Gidroliz. i lesokhim. prom. 15 no.7:15-17 '62. (MIRA 16:8)

1. Severnyy nauchno-issledovatel'skiy institut promyshlennosti (for Vodolazova). 2. Arkhangel'skiy gidroliznyy zavod (for Kotrekhova).
(Hydrolysis)